

## **REMARKS**

Applicants respectfully traverse and request reconsideration.

Applicants wish to thank the Examiner for the notice that claims 12-14 have been allowed and that claims 5, 8, 10 and 22 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. However, Applicants respectfully submit that after consideration of the Goldfarb reference, Applicants respectfully submit that the other claims are also in condition for allowance.

Claims 1-4, 6, 7, 9, 11, and 18-21 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 6,400,227 (Goldfarb et al.). Goldfarb is directed to a stepped gain controlled RF driver amplifier that employs a variable gain amplifier that has at least two branches connected in parallel to drive a common output load. Gain control inputs VGC1-VGC4 are switched to selectively enable amplifier branches. However, the output of the variable gain amplifier in Goldfarb is coupled to a power gain stage (network 202) whose impedance is “fixed to a value that provides adequate gain in the highest switched gain configuration.” (see column 4, lines 63-65). The fixed impedance value is accommodated by selecting a fixed capacitor value and particular FET. The network 202 does not provide a variable impedance circuit that is dynamically controlled along with a scalable power amplifier based on, for example, power output level data.

For example, as to claim 1, the claim has been amended as to form to include inherent language that was inherent in the claim as originally filed. For example, the “power output level data” is used by both the scalable power amplifier and the variable impedance circuit to dynamically control amplification and to dynamically load the output of the scalable power amplifier. The office action cites Goldfarb, column 2, line 20 as allegedly teaching a variable impedance circuit coupled to the output of the scalable power amplifier and operatively

responsive to the power output level data to vary an impedance of the variable impedance circuit to dynamically load the output of the scalable power amplifier. However, upon evaluation of the Goldfarb reference, the reference as noted above illustrates in FIG. 2 that the network 202 is not a variable impedance circuit and is not responsive to power output level data to vary an impedance of the variable impedance circuit to dynamically load the output of the scalable power amplifier. To the contrary, the diagram shows that no power output level data is provided to the network nor does the network show that it is dynamically variable along with the scalable power amplifier. Accordingly, the claim is in condition for allowance.

Applicants also respectfully reassert the relevant remarks made above with respect to the other independent claims and note that the dependent claims add additional novel and non-obvious subject matter.


Claims 15-17 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Goldfarb or U.S. Patent No. 5,438,684 (Schwent et al.).

Applicants respectfully reassert the relevant remarks made above with respect to Goldfarb and as such, these claims are also in condition for allowance for at least these reasons as well. Accordingly, Applicants respectfully request withdrawal of this rejection and allowance of the claims.

Applicants respectfully submit that the claims are in condition for allowance and respectfully request that a timely Notice of Allowance be issued in this case. The Examiner is invited to contact the below listed attorney if the Examiner believes that a telephone conference will advance the prosecution of this application.

Respectfully submitted,

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By:   
Christopher J. Reckamp  
Reg. No. 34,414

Vedder, Price, Kaufman & Kammholz, P.C.  
222 North LaSalle Street  
Chicago, Illinois 60601  
PHONE: (312) 609-7599  
FAX: (312) 609-5005